

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE CITATION  O I P E (Use several sheets if necessary)								ATTY. DOCKET NO. 41750	SERIAL NO. 09/849,237				
								APPLICANT Paul D. Marko	FILING DATE May 7, 2001	GROUP 2662			
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>CBS</i>	6	2	2	9	8	2	4	05/2001	Marko		370	477	
<i>CBS</i>	4	4	2	9	3	9	0	01/1984	Sonoda et al.		714	762	
<i>CBS</i>	4	6	2	2	5	9	8	11/1986	Doi et al.		360	22	
<i>CBS</i>	4	8	8	1	2	4	1	11/1989	Pommier et al.		375	260	
<i>CBS</i>	5	1	9	1	5	7	6	03/1993	Pommier et al.		370	312	
<i>CBS</i>	5	1	9	7	0	6	1	03/1993	Halbert-Lassalle et al.		370	204	<i>Technology Center 2600</i>
<i>CBS</i>	5	2	2	8	0	2	5	07/1993	Le Floch et al.		370	206	
<i>CBS</i>	5	2	7	8	8	6	3	01/1994	Briskman		375	130	
<i>CBS</i>	5	2	8	3	7	8	0	02/1994	Schuchman et al.		370	312	
<i>CBS</i>	5	3	0	5	3	5	3	04/1994	Weerackody		375	347	
<i>CBS</i>	5	3	1	9	6	7	3	06/1994	Briskman		455	13.1	
<i>CBS</i>	5	4	8	5	4	8	5	01/1996	Briskman et al.		375	130	
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER				DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO		
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)													
<i>CBS</i>	D. Kail, "Direct Radio Broadcasting by Satellite (DRBS): A Review of the Technical Factors and System Approaches Suitable for Mobile and Fixed Reception", <i>The British Broadcasting Corporation</i> , pp. 1-22, (1989).												
<i>CBS</i>	Samir Kallel, "Complementary Punctured Convolution (CPC) Codes and Their Applications", <i>IEEE</i> , Vol. 43, No. 6, June 1995.												
<i>CBS</i>	J. Bibb Cain, "Punctured Convolutional Codes of Rate $(n-1)/n$ and Simplified Maximum Likelihood Decoding", <i>IEEE Transactions on Information Theory</i> , vol. IT-25, No. 1, Jan. 1979, pp. 97-100.												
EXAMINER	<i>Cay Saitle</i>											DATE CONSIDERED	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

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MAY 19 2001 U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CBS	6 1 5 8 1 7	1/2001	Kroeger et al.	455	296	
CBS	6 2 5 9 8 9 3	7/2001	Kroeger et al.	455	61	
CBS	6 3 1 7 4 7 0	11/2001	Kroeger et al.	375	340	
CBS	6 3 4 5 3 7 7	2/2002	Kroeger et al.	714	790	
RECEIVED MAY 31 2002 Technology Center 2600						
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)						

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Form PTO-4449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE						ATTY. DOCKET NO. 41750		SERIAL NO. 09/849,237			
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EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
6BS		6	2	4	7	1	5	8	6/2001	Smallcomb	714	786	
<span style="color: red; font-size: 2em; opacity: 0.5;">RECEIVED</span> <span style="font-style: italic;">Technology Center 2600</span> <span style="font-style: italic;">SEP 26 2002</span>													
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO	
6BS		0	0	3	6	7	8	3	6/2000	WIPO	H04L	1/06	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)													
6BS		Kroeger et al., "Robust modem and coating techniques for FM Hybrid IBOC DAB," IEEE Transactions on Broadcasting, Volume 43, No. 4, December 1997, pages 412-420.											

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Sheet 1 of 1.

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GSS		5	7	2	0	0	3	9	2/1998	Lieberman	455	10
GSS		5	7	4	5	8	3	9	4/1998	Lieberman	455	10
GSS		5	7	9	4	1	3	8	8/1998	Briskman	455	344
GSS		5	8	4	8	1	0	3	12/1998	Weerackody	375	295
GSS		5	8	6	4	5	7	9	1/1999	Briskman	375	130
GSS		6	1	5	4	4	5	2	11/2000	Marko et al	370	321
GSS		5	9	0	7	5	8	2	5/1999	Yi	375	259
GSS		5	9	1	0	9	6	7	6/1999	Vanderaar	375	265
GSS		6	1	5	8	0	4	1	12/2000	Raleigh et al	714	792
GSS		5	2	4	1	5	6	3	8/1993	Paik et al	375	262
GSS		5	7	4	5	4	9	7	4/1998	Ben-Efraim et al	714	202
GSS		6	0	8	4	8	6	5	7/2000	Dent	370	321
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<b>U.S. Patent Documents</b>							
Initials	Patent Number	Date	Patentee	Class	Sub-Class	Filing Date	
635	6,108,810	08/2000	Kroeger et al.	714	790	03/1998	
635	6,061,387	05/2000	Yi	375	142	03/1999	
<b>Published U.S. Patent Application</b>							
Examiner's Initials	Publication Number	Publication Date	Patentee	Class	Sub-Class	Filing Date	
<b>Foreign Patent Documents or Foreign Patent Applications</b>							
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Sub-Class	Translation	
635	01/29986	04/2001	WO	H04B	7/06	X	
635	1 014 590	06/2000	EP	H03M	13/23	X	
635	00/33559	06/2000	WO	H04N		X	
635	00/36783	06/2000	WO	H04L	1/06	X	
<b>Other Documents (including Author, Title, Date, Pertinent Pages, etc.)</b>							
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